

CSSG TASKING 2006-06

Issued March 6, 2006

Task Title: Assessment of Criticality Safety and Nuclear Data Needs Requiring Solution Critical Experiments Involving Other than Uranyl-Nitrate Solutions

Task Statement: The CSSG is requested to identify essential (for criticality safety) and optional (for cost efficiency) needs in the broad areas of criticality safety support and nuclear data that can only be filled by a facility capable of achieving solution criticality with other than pure Uranyl-Nitrate. For each need (essential or optional) identified, a specific DOE program/project/facility that would benefit from the information must also be provided. All international sources of the identified data needs should be identified including accessibility to existing data and the potential to acquire data in the future. The CSSG should identify the types of solutions and experimental capabilities required to address the gaps that remain once the global situation is considered. Considerations of siting and funding for such a capability is NOT within the scope of this tasking.

Task Deliverable: A formal written report to the NCSP Manager.

Task Due: June 30, 2006006